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Substitute for form 1403PTO		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/530,546	
		Filing Date	2005-04-07	
		First Named Inventor	Proctor Jr et al.	
		Art Unit	2445	
		Examiner Name	WINDER, PATRICE L	
Sheet	1	of	13	Attorney Docket No: 080586

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2(f) known}			
	01	US4000467	12-28-1976	Lentz et al.	
	02	US4001691	01-04-1977	Gruenberg et al.	
	03	US4061970	12-06-1977	Magneron et al.	
	04	US4081752	03-28-1978	Sumi et al.	
	05	US4124825	11-07-1978	Webb et al.	
	06	US4204016	05-20-1980	Chavannes et al.	
	07	US4334323	06-08-1982	Moore et al.	
	08	US4368541	01-11-1983	Evans et al.	
	09	US4509206	04-02-1985	Carpe et al.	
	010	US4701935	10-20-1987	Namiki et al.	
	011	US4723302	02-02-1988	Fulmer et al.	
	012	US4783843	11-08-1988	Leff et al.	
	013	US4820568	04-11-1989	Harpell et al.	
	014	US4922259	05-01-1990	Hali et al.	
	015	US5023930	06-11-1991	Leslie et al.	
	016	US5214788	05-25-1993	Delaperriere et al.	
	017	US5220562	06-15-1993	Takada et al.	
	018	US5341364	08-23-1994	Marra et al.	
	019	US5349463	09-20-1994	Hirohashi et al.	
	020	US5371734	12-06-1994	Fischer et al.	
	021	US5373503	12-13-1994	Chen et al.	

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Substitute for form 1449/PTO		<table border="1"> <tr> <td colspan="2">Application Number</td> <td colspan="2">10/530,546</td> </tr> <tr> <td colspan="2">Filing Date</td> <td colspan="2">2005-04-07</td> </tr> <tr> <td colspan="2">First Named Inventor</td> <td colspan="2">Proctor Jr et al.</td> </tr> <tr> <td colspan="2">Art Unit</td> <td colspan="2">2445</td> </tr> <tr> <td colspan="2">Examiner Name</td> <td colspan="2">WINDER, PATRICE L</td> </tr> </table>		Application Number		10/530,546		Filing Date		2005-04-07		First Named Inventor		Proctor Jr et al.		Art Unit		2445		Examiner Name		WINDER, PATRICE L	
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U.S. PATENT DOCUMENTS					
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	022	US5408197	04-18-1995	Miyake et al.	
	023	US5408618	04-18-1995	Aho et al.	
	024	US5430726	07-04-1995	Moorwood et al.	
	025	US5465251	11-07-1995	Judd et al.	
	026	US5471642	11-28-1995	Palmer et al.	
	027	US5485486	01-16-1996	Gilhouse; Klein S et al.	
	028	US5509028	04-16-1996	Marque-Pucheu et al.	
	029	US5515376	05-07-1996	Murthy et al.	
	030	US5608755	03-04-1997	Rakib et al.	
	031	US5610916	03-11-1997	Kostreski et al.	
	032	US5648984	07-15-1997	Kroninger et al.	
	033	US5654979	08-05-1997	Levin; Jeffrey A. et al.	
	034	US5659879	08-19-1997	Dupuy et al.	
	035	US5678198	10-14-1997	Lemson et al.	
	036	US5684801	11-04-1997	Amitay et al.	
	037	US5697052	12-09-1997	Treatch et al.	
	038	US5726980	03-10-1998	Rickard et al.	
	039	US5732334	03-24-1998	Miyake et al.	
	040	US5745846	04-28-1998	Myer et al.	
	041	US5754540	05-19-1998	Liu et al.	
	042	US5771174	06-23-1998	Spinner et al.	

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Substitute for form 1449PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known Application Number 10/530,546 Filing Date 2005-04-07 First Named Inventor Proctor Jr et al. Art Unit 2445 Examiner Name WINDER, PATRICE L	
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		Number-Kind Code ² (if known)			
	043	US5784683	07-21-1998	Sistanizadeh et al.	
	044	US5815795	09-29-1998	Iwai et al.	
	045	US5852629	12-22-1998	Iwamatsu et al.	
	046	US5857144	01-05-1999	Mangum et al.	
	047	US5884181	03-16-1999	Arnold et al.	
	048	US5890055	03-30-1999	Chu et al.	
	049	US5903553	05-11-1999	Sakamoto et al.	
	050	US5907794	05-25-1999	Lehmusto et al.	
	051	US5963846	10-05-1999	Kurby et al.	
	052	US5987304	11-16-1999	Latt et al.	
	053	US6005855	12-21-1999	Zehavi et al.	
	054	US6005884	12-21-1999	Cook et al.	
	055	US6014380	01-11-2000	Hendel et al.	
	056	US6061548	05-09-2000	Reudink et al.	
	057	US6088570	07-11-2000	Komara et al.	
	058	US6101400	08-08-2000	Ogaz et al.	
	059	US6108364	08-22-2000	Weaver, Jr et al.	
	060	US6128729	10-03-2000	Kimball et al.	
	061	US6163276	12-19-2000	Irving et al.	
	062	US6188719	02-13-2001	Collomby et al.	
	063	US6195051	02-27-2001	McCoy et al.	

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		Art Unit	2445	
		Examiner Name	WINDER, PATRICE L	
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		Number-Kind Code ^{2(a)} (if known)			
	064	US6219739	04-17-2001	Dutt et al.	
	065	US6222503	04-24-2001	Gietema et al.	
	066	US6285863	09-04-2001	Zhang et al.	
	067	US6304563	10-16-2001	Blessent et al.	
	068	US6331792	12-18-2001	Tonietto et al.	
	069	US6339694	01-15-2002	Komara et al.	
	070	US6342777	01-29-2002	Takahashi et al.	
	071	US6370185	04-09-2002	Schmutz et al.	
	072	US6370369	04-09-2002	Kraiem et al.	
	073	US6377812	04-23-2002	Baker et al.	
	074	US6377640	04-23-2002	Trans et al.	
	075	US6385181	05-07-2002	Tsutsui et al.	
	076	US6441781	08-27-2002	Rog et al.	
	077	US6473131	10-29-2002	Neugebauer et al.	
	078	US6480481	11-12-2002	Park et al.	
	079	US6501955	12-31-2002	Durrant et al.	
	080	US6535732	03-18-2003	McIntosh et al.	
	081	US6539204	03-25-2003	Marsh et al.	
	082	US6549567	04-15-2003	Fullerton et al.	
	083	US6574198	06-03-2003	Petersson et al.	
	084	US6671502	12-30-2003	Ogawa et al.	

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	085	US6684058	01-27-2004	Karacaoglu et al.	
	086	US6728541	04-27-2004	Ohkura et al.	
	087	US6781544	08-24-2004	Saliga et al.	
	088	US6880103	04-12-2005	Kim et al.	
	089	US6906669	05-14-2005	Sabet et al.	
	090	US6934511	08-23-2005	Lovinggood et al.	
	091	US6934555	08-23-2005	Silva et al.	
	092	US6944139	09-13-2005	Campanella et al.	
	093	US6957042	10-18-2005	Williams et al.	
	094	US6983162	01-03-2006	Garani et al.	
	095	US6985516	01-10-2006	Easton et al.	
	096	US6990313	01-24-2006	Yarkosky et al.	
	097	US7027418	04-11-2006	Gan et al.	
	098	US7050442	05-23-2006	Proctor et al.	
	099	US7058368	06-06-2006	Nicholls et al.	
	0100	US7088734	08-08-2006	Newberg et al.	
	0101	US7103344	09-05-2006	Menard et al.	
	0102	US7120930	10-10-2006	Maufer et al.	
	0103	US7123676	10-17-2006	Gebara et al.	
	0104	US7132988	11-07-2006	Yegin et al.	
	0105	US7133391	11-07-2006	Belcea et al.	

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	0106	US7139527	11-21-2006	Tamaki et al.	
	0107	US7167526	01-23-2007	Liang et al.	
	0108	US7193975	03-20-2007	Tsutsumi et al.	
	0109	US7194275	03-20-2007	Bolin et al.	
	0110	US7200134	04-03-2007	Proctor, Jr et al.	
	0111	US7215964	05-08-2007	Miyake et al.	
	0112	US7233771	06-19-2007	Proctor, Jr et al.	
	0113	US7248645	07-24-2007	Vialle et al.	
	0114	US7254132	08-07-2007	Takao et al.	
	0115	US7299005	11-20-2007	Yarkosky et al.	
	0116	US7315573	01-01-2008	Lusky et al.	
	0117	US7319714	01-15-2008	Sakata et al.	
	0118	US7321787	01-22-2008	Kim et al.	
	0119	US7339926	03-04-2008	Stanwood et al.	
	0120	US7352696	04-01-2008	Stephens et al.	
	0121	US7409186	08-05-2008	Van Buren et al.	
	0122	US7430397	09-30-2008	Suda et al.	
	0123	US7450936	11-11-2008	Kim et al.	
	0124	US7486929	02-03-2009	Van Buren et al.	
	0125	US7577398	08-18-2009	Judd et al.	
	0126	US7590145	09-15-2009	Futch et al.	

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	0127	US7623826	11-24-2009	Pergal et al.	
	0128	US7676194	03-09-2010	Rappaport et al.	
	0129	US20070286110	12-13-2007	James A. JR et al	
	0130	US20010031646	10-18-2001	Williams, Terry L et al.	
	0131	US20010054060	12-20-2001	Fillebrown, Lisa A et al.	
	0132	US20020018487	02-14-2002	Chen, Song et al.	
	0133	US20020045461	04-18-2002	Bongfeldt, David et al.	
	0134	US20020061031	05-23-2002	Sugar, Gary L et al.	
	0135	US20020089945	07-11-2002	Belcea, John M et al.	
	0136	US20020101843	08-01-2002	Sheng, Huang Chih et al.	
	0137	US20020102948	08-01-2002	Stanwood, Kenneth L et al.	
	0138	US20020109585	08-15-2002	Sanderson, Lelon Wayne et al.	
	0139	US20020115409	08-22-2002	Khayrallah, Ali S et al.	
	0140	US20020141435	10-03-2002	Newberg, Donald G et al.	
	0141	US20020163902	11-07-2002	Takao, Toshiaki et al.	
	0142	US20020177401	11-28-2002	Judd, Mano D et al.	
	0143	US20030026363	02-06-2003	Stoter, Jan et al.	
	0144	US20030139175	07-24-2003	Kim, Jong-Hwan et al.	
	0145	US20030185163	10-02-2003	Bertonis, James G et al.	
	0146	US20030235170	12-25-2003	Trainin, Solomon B et al.	
	0147	US20030236069	12-25-2003	Sakata, Ren et al.	

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Substitute for form 1462/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: right; font-weight: normal;">Complete if Known</th> </tr> <tr> <td style="width: 30%;">Application Number</td> <td>10/530,546</td> </tr> <tr> <td>Filing Date</td> <td>2005-04-07</td> </tr> <tr> <td>First Named Inventor</td> <td>Proctor Jr et al.</td> </tr> <tr> <td>Art Unit</td> <td>2445</td> </tr> <tr> <td>Examiner Name</td> <td>WINDER, PATRICE L</td> </tr> </table>		Complete if Known		Application Number	10/530,546	Filing Date	2005-04-07	First Named Inventor	Proctor Jr et al.	Art Unit	2445	Examiner Name	WINDER, PATRICE L
Complete if Known															
Application Number	10/530,546														
Filing Date	2005-04-07														
First Named Inventor	Proctor Jr et al.														
Art Unit	2445														
Examiner Name	WINDER, PATRICE L														
Sheet	8	of	13	Attorney Docket No: 080586											

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	0148	US20040029537	02-12-2004	Pugel, Michael Anthony et al.	
	0149	US20040038707	02-26-2004	Kim, Hyeong Seog et al.	
	0150	US20040047333	03-11-2004	Han, Sung-Chul et al.	
	0151	US20040047335	03-11-2004	Proctor, James Arthur JR et al.	
	0152	US20040110469	06-10-2004	Judd, Mano D et al.	
	0153	US20040131025	07-08-2004	Dohler, Mischa et al.	
	0154	US20040146013	07-29-2004	Song, Peter Chun Teck et al.	
	0155	US20040157551	08-12-2004	Gainey, Kenneth M et al.	
	0156	US20040166802	08-26-2004	McKay, David L. SR et al.	
	0157	US20040176050	09-09-2004	Steer, David et al.	
	0158	US20040198295	10-07-2004	Nicholls, Charles T et al.	
	0159	US20040218683	11-04-2004	Batra, Anuj et al.	
	0160	US20040229563	11-18-2004	Fitton, Michael Philip et al.	
	0161	US20040264511	12-30-2004	Futch, Richard J et al.	
	0162	US20050014464	01-20-2005	Larsson, Peter et al.	
	0163	US20050030891	02-10-2005	Stephens, Adrian P et al.	
	0164	US20050042999	02-24-2005	Rappaport, Theodore S et al.	
	0165	US20050130587	06-16-2005	Suda, Hirohito et al.	
	0166	US20050201315	09-15-2005	Lakkis, Ismail et al.	

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Substitute for form 1449/PTO				<i>Complete if Known</i> Application Number 10/530,546 Filing Date 2005-04-07 First Named Inventor Proctor Jr et al. Art Unit 2445 Examiner Name WINDER, PATRICE L	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Attorney Docket No: 080586	
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^(if known)			
	0167	US20050254442	11-17-2005	Proctor, James A. JR et al.	
	0168	US20050256963	11-17-2005	Proctor Jr., James A et al.	
	0169	US20060035643	02-16-2006	Vook et al.	
	0170	US20060052066	03-09-2006	Cleveland et al.	
	0171	US20060052099	03-09-2006	Parker et al.	
	0172	US20060056352	03-16-2006	Proctor et al.	
	0173	US20060063484	03-23-2006	Proctor et al.	
	0174	US20060063485	03-23-2006	Gainey et al.	
	0175	US20060098592	05-11-2006	Proctor Jr et al.	
	0176	US20060183421	08-17-2006	Proctor et al.	
	0177	US20060203757	09-14-2006	Young et al.	
	0178	US20060262026	11-23-2006	Gainey et al.	
	0179	US20070025349	02-01-2007	Bajic et al.	
	0180	US20070025486	02-01-2007	Gainey et al.	
	0181	US20070032192	02-08-2007	Gainey et al.	
	0182	US20070121548	05-31-2007	Zuckerman et al.	
	0183	US20080057862	03-06-2008	Smith et al.	
	0184	US20080233942	09-25-2008	Kim et al.	
	0185	US7187904	03-06-2007	Gainey, Kenneth M et al.	

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		First Named Inventor Proctor Jr et al.	
		Art Unit 2445	
		Examiner Name WINDER, PATRICE L	
		Attorney Docket No: 080586	
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FOREIGN PATENT DOCUMENTS						
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	0186	EP0523687A2	01-20-1993	FUJITSU LTD [JP]		<input type="checkbox"/>
	0187	EP0860953A1	08-26-1998	SAGEM [FR]		<input type="checkbox"/>
	0188	GB2272599A	05-18-1994	NOKIA TELECOMMUNICATIONS OY [FI]		<input type="checkbox"/>
	0189	JP8097762A	04-12-1996	INFUORABU KK		<input type="checkbox"/>
	0190	JP9162903A	06-20-1997	VICTOR COMPANY OF JAPAN et al.		<input type="checkbox"/>
	0191	JP7079187A	03-20-1995	ALCATEL MOBILE COMM FRANCE		<input type="checkbox"/>
	0192	WO0208857A2	01-31-2002	CADENCE DESIGN SYSTEMS INC [US]		<input type="checkbox"/>
	0193	WO0217572A2	02-28-2002	NORTEL NETWORKS CORP [CA] et al.		<input type="checkbox"/>
	0194	WO2004002014A1	12-31-2003	WIDEFI INC [US] et al.		<input type="checkbox"/>
	0195	WO2004062305A1	07-22-2004	WIDEFI INC [US] et al.		<input type="checkbox"/>
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		Filing Date	2005-04-07	
		First Named Inventor	Proctor Jr et al.	
		Art Unit	2445	
		Examiner Name	WINDER, PATRICE L	
Sheet	11	of	13	Attorney Docket No: 080586

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	0196	ANDRISANO, et al., "On the Spectral Efficiency of CPM Systems over Real Channel in the Presence of Adjacent Channel and CoChannel Interference: A Comparison between Partial and Full Response Systems, IEEE Transactions on Vehicular Technology, Vol. 39, No. 2, May 1990.	
	0197	Code of Federal Regulations, Title 47 Telecommunication; "Federal Communications Commission code part 15.407," Federal Communications Commission vol.1, chapter 1, part 15.407.	
	0198	Draft Corrigendum to IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed Broadband Wireless Access Systems, IEEE P802.16-2004/Cor1/D5.	
	0199	Draft IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems; Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands.	
	0200	IEEE 802.16(e), Part 16: Air Interface for Fixed Broadband Wireless Access Systems, 2005, Sections 8.4.10.2.1; 8.4.10.3.2.	
	0201	IEEE Std 802.11-1999 (Reaff 2003), "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications," LAN MAN Standards Committee of the IEEE Computer Society; Paragraphs 7.2.3.1 and 7.2.3.9; Paragraph 7.3.2.4; Paragraphs 15.4.6.2 and 18.4.6.2.	
	0202	IEEE Std 802.11b-1999, "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Higher-Speed Physical Layer Extension in the 2.4 GHz Band," IEEE-SA Standards Board, Supplement to ANSI/IEEE Std. 802.11, 1999 Edition, Approved September 16, 1999.	
	0203	IEEE Std 802.11g-2003, "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Amendment 4: Further Higher Data Rate Extension in the 2.4 GHz Band," IEEE Computer Society, Published by The Institute of Electrical and Electronics Engineers, Inc., June 27, 2003.	
	0204	IEEE Std 802.16-2001, "Part 16: Air Interface for Fixed Broadband Wireless Access Systems," IEEE Computer Society and the IEEE Microwave Theory and Techniques	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/530,546	
		Filing Date	2005-04-07	
		First Named Inventor	Proctor Jr et al.	
		Art Unit	2445	
		Examiner Name	WINDER, PATRICE L	
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		Society, Published by The Institute of Electrical and Electronics Engineers, Inc., April 8, 2002.	
	0205	International Search Report - PCT/US03/029117, International Search Authority - US, 02-13-04 (080586WO)	
	0206	KANNANGARA, et al., "Analysis of an Adaptive Wideband Duplexer with Double-Loop Cancellation," IEEE Transactions on Vehicular Technology, vol. 56, no. 4, July 2007, pp. 1971-1982.	
	0207	KUTLU, et al., "Performance Analysis of MAC Protocols for Wireless Control Area Network," 1996 IEEE, pp. 494-499.	
	0208	Specifications for 2.3 GHz Band Portable Internet Service - Physical & Medium Access Control Layer, TTAS KO-06 0082/R1, December 2005.	

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